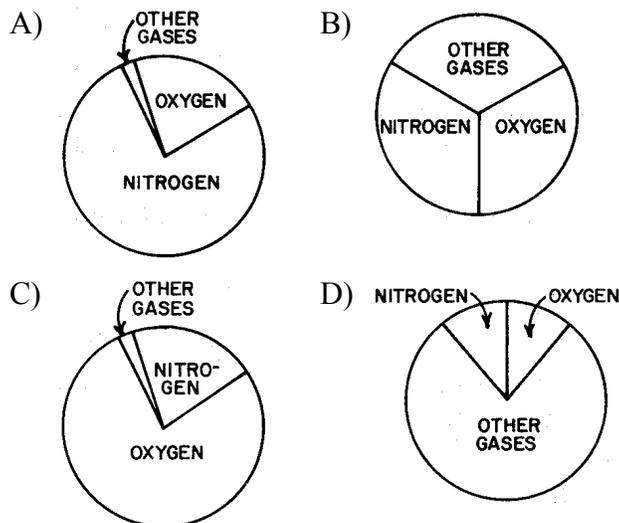


**ESRT PG.1 & 14 QUIZ**

1. The greatest atmospheric pressure occurs in the  
 A) troposphere                      B) stratosphere  
 C) mesosphere                      D) thermosphere

2. Which circle graph best represents the volume of gases in the troposphere?



3. As altitude within the troposphere increases, the amount of water vapor generally  
 A) decreases, only  
 B) increases, only  
 C) remains the same  
 D) decreases, then increases

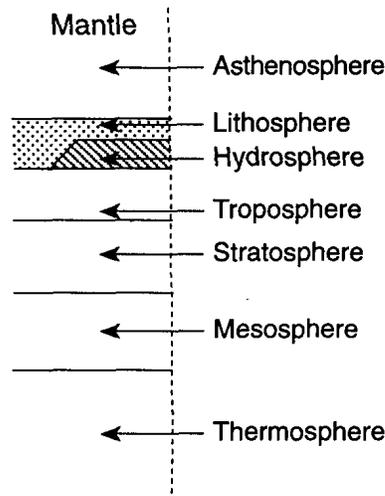
4. Which element has the highest percentage by volume in the troposphere?  
 A) oxygen                      B) nitrogen  
 C) hydrogen                      D) carbon dioxide

5. Earth's troposphere, hydrosphere, and lithosphere contain relatively large amounts of which element?  
 A) iron                      B) oxygen  
 C) hydrogen                      D) potassium

6. Which element is most abundant in Earth's lithosphere?  
 A) oxygen                      B) silicon  
 C) hydrogen                      D) nitrogen

7. Oxygen is the most abundant element by volume in Earth's  
 A) inner core                      B) troposphere  
 C) hydrosphere                      D) crust

8. The diagram below shows spheres associated with Earth.

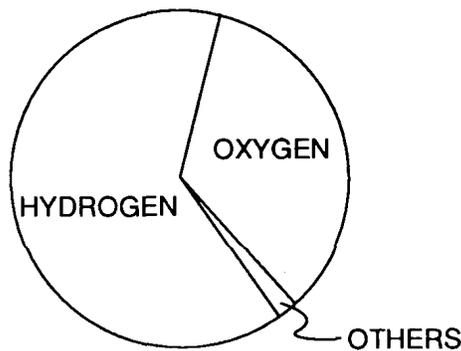


(Not drawn to scale)

Which spheres are zones of Earth's atmosphere?

- A) lithosphere, hydrosphere, and troposphere  
 B) stratosphere, mesosphere, and thermosphere  
 C) asthenosphere, lithosphere, and hydrosphere  
 D) hydrosphere, troposphere, and stratosphere

9. The graph below represents percentage of elements by volume.



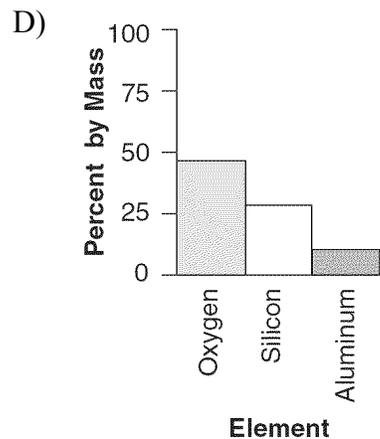
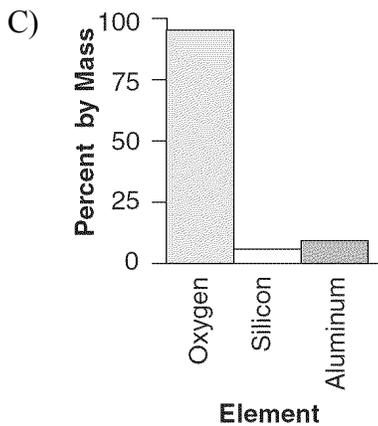
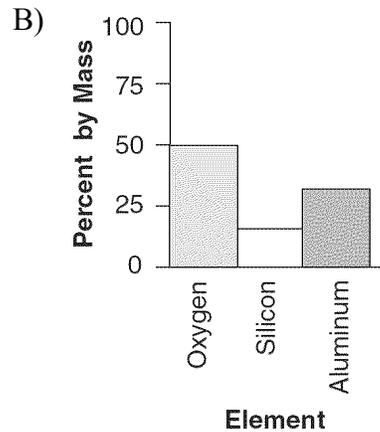
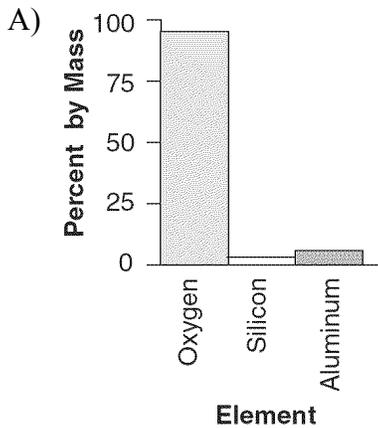
This graph best represents the elements of the Earth's

- A) lithosphere                      B) hydrosphere  
 C) troposphere                      D) stratosphere

10. Earth's hydrosphere is best described as the

- A) solid outer layer of Earth  
 B) liquid outer layer of Earth  
 C) magma layer located below Earth's stiffer mantle  
 D) gaseous layer extending several hundred kilometers from Earth into space

11. Which graph correctly represents the three most abundant elements, by mass, in Earth's crust?



12. Which two elements listed below are most abundant by weight in the Earth's crust?

- A) silicon and oxygen
- B) hydrogen and iron
- C) oxygen and magnesium
- D) hydrogen and calcium

13. What is the most abundant element in the troposphere?

- A) helium
- B) nitrogen
- C) hydrogen
- D) oxygen

14. What are the four most abundant elements, by volume, in the Earth's crust?

- A) oxygen, potassium, sodium, and calcium
- B) hydrogen, oxygen, nitrogen, and potassium
- C) aluminum, iron, silicon, and magnesium
- D) aluminum, calcium, hydrogen, and iron

15. Which element in the hydrosphere is most abundant by volume?

- A) oxygen
- B) helium
- C) nitrogen
- D) hydrogen